

Job Risk Analysis																	
Name(s) of Risk Team Members: P. Cirnigliaro, D. Savage				Point Value → Parameter ↓		1		2		3		4		5			
Job Title: Forklift use by C-AD staff or Users				Frequency (B)		≤once/year		≤once/month		≤once/week		≤once/shift		>once/shift			
Job Number or Job Identifier: JRA 20				Severity (C)		First Aid Only		Medical Treatment		Lost Time		Partial Disability		Death or Permanent Disability			
Training and Procedures List (optional):				Likelihood (D)		Impossible		Unlikely		Possible		Probable		Multiple			
Approved by: <i>E. Lessard</i> Date: 8-11-04 Rev. #: 0																	
Stressors (if applicable, please list all): Being asked to hurry the work because it is near the end of the day or because not enough time was planned for the job				Reason for Revision (if applicable):						Comments:							
				Before Additional Controls										After Additional Controls			
Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction	
Fork truck inspection	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, carrying	Selecting appropriate type of fork truck for application, back safety training, use of squat lift technique, work planning, PPE, training, Tier 1 inspections	Y	1	4	2	2	16									
Fork truck inspection	Falls on same level	Work planning, PPE (slip-resistant footwear), training, housekeeping, Tier 1 inspections	Y	1	4	3	2	24									
Select rigging equipment (e.g., straps), move to or from load area	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, carrying	Back safety training, use of squat lift technique, work planning, PPE, training, Tier 1 inspections, known weight of load, known center of gravity of load, known lifting points on load	Y	1	4	2	2	16									
Select rigging equipment (e.g., straps), move to or from load area	Falls on same level	Work planning, PPE (slip-resistant footwear), training, housekeeping, Tier 1 inspections	Y	1	4	3	2	24									

Start up and move fork truck to work location	Being struck against an object falling	Procedures, training, route and area checked clear prior to movement, visible and audible alarms on fork truck as required	Y	1	4	3	2	24								
Start up and move fork truck to work location	Inhalation of exhaust fumes	Procedures, training, building ventilation	Y	1	4	2	3	24	Evaluate and repair ventilation system over roll-up door in B918	N	1	4	2	2	16	33 % after repairs are made
Move fork truck under pallet or object, lift load transport load or lower load at new location	Getting struck by dropped load or hitting other objects or people with load while moving	Work planning, PPE, training, PE & C-AD inspection and maintenance of equipment, procedures, Tier 1 inspections, known weight of load, known center of gravity of load, known lifting points on load, route and area checked clear prior to movement, visible and audible alarms on fork truck as required	Y	1	4	4	3	48	C-AD Supervisors to review their personnel assigned to perform mechanical material handling (FATS Action 2370.1.1). Recent rigging incidents have heightened awareness of needed competency and following of procedures and safety rules Each experimental collaboration at RHIC instituted a mechanical-material-handling log-book to document the necessary requirements stated in Mike Bebon's memo (July 2, 2004) for non-C-AD employees who use the overhead cranes and forklifts. This includes discussion of planned work with the person(s) doing the work, ensuring that they have the training/qualifications, and ensuring they are aware of the safety aspects of the work to be performed.	N	1	4	4	2	32	25%
Further Description of Controls Added to Reduce Risk:																
*Risk:	0 to 20		21 to 40			41-60			61 to 80			81 or greater				
	Negligible		Acceptable			Moderate			Substantial			Intolerable				